White, 1676.

A New ALMANACK

For the Year of our Lord God:

1676.

Being the year from the worlds Creation, 5639.

And the Bissextile, or Leap-year.

Calculated for the Meridian of Tedlington in *Bedford-shire*, where the North Pole is elevated above the Horizon 52. degrees 8. minutes; and may serve for all parts of *England*, without any sensible errour.

By William White.

When I behold thine Heavens, even the works of thy fingers, the Moon and the Stars which thou hast ordained, what is man, say I, that thou art mindful of him, and the Son of man that thou visitest him, Psal. 8. 3, 4.

Cum Privilegio.

LONDON,

Printed by Robert White, for the Company of *Stationers*. 1676.

A brief and neceſſary Computation of Years,

SInce the Conqueſt of *England* by Duke *William*	608
Since the Invention of Guns	296
Since the Art of Printing was invented	216
Since the infectious ſweating Sickneſs	215
Since the Maſſacre in *France*	103
Since the whole Heavens ſeemed to burn with Fire	102
Since the general Earthquake in *England*	96
Since the Camp at *Tilbury* in *Eſſex*	88
Since the Gunpowder Treaſon	71
Since the Voyage to the Iſle of *Ree*	50
Since the Duke of *Buckingham* murthered	48
Since the Plantation began in *New England*	45
Since the third part of *London*-Bridge burnt	44
Since the Earl of *Strafford* was beheaded *May* 12.	35
Since the *Iriſh* Rebellion began *October* 23. 1641.	35
Since the fight at *Edge-hill*, *October* 23. 1642.	34
Since the fight at *Brainford*, *November*, 12. 1642.	34
Since the *Scots* entred *England*, *January* 16.	33
Since the fight at *Newbury*	32
Since *Marſton Moore fight*, *July* 2.	32
Since the great fight at *Naisby*, *June* 14. 1645.	31
Since King *Charles* was beheaded, *January* 30.	27
Since *Cromwel* made General, *June* 26.	26
Since *Lilburns* tryal at *Guild Hall*, *October* 25.	26
Since the *Scots* routed at *Dunbar*, *November* 3.	26
Since the great fight at *Worceſter*	25
Since King *Charles* 2. returned to *London*, *May* 29.	16
Since King *Charles* 2. was Crowned, *April* 23.	15
Since the ſtrong Tempeſtuous wind, *February* 18.	14
Since three blaſing Stars appeared	11
Since the laſt great plague in *London*	11
Since the laſt fight between the *Engliſh* and *Dutch*	10
Since the great fire in *London*, *September* 3, 4, 5, 6.	10
Since the Duke of *Albemarle* died	6

A Table to know when the Terms begin and end, and the number of their returns, with the day of the Month whereon they will be this present Year, 1676.

Hillary Term begins the 24. of January, and ends the 12. of February, and hath 4. Returns, Viz.	Octab. Hillar.	Jan. 20.
	Quind. Hillar.	Jan. 27.
	Craſt. Purif.	Feb. 3.
	Octab. Purif.	Feb. 10.
Eaſter Term begins the 12. of April, and ends the 8. of May, and hath 5. Returns, Viz.	Quind. Paſchæ	April 10.
	Tres Paſchæ	April 17.
	Menſ. Paſchæ	April 24.
	Quind. Paſchæ	May 1.
	Craſt. Aſcenſ.	May 5
Trinity Term begins the 26. of May, and ends the 14. of June, and hath 4. Returns, Viz.	Craſt. Trinit.	May 22
	Octab. Trinit.	May 29
	Quind. Trinit.	June 5
	Tres Trinit.	June 12
Michaelmas Term begins the 23. of October, and ends the 28. of November, and hath 6. Returns, Viz.	Tres Mich.	Octob. 20.
	Menſ. Mich.	Octob. 27.
	Craſt. Animar.	Novemb. 3
	Craſt. Mart.	Novemb. 12.
	Octab. Mart.	Novemb. 18.
	Quind. Mart.	Novemb. 25.

Of the Eclipſes this Year.

1676.

IN this year there will be two Eclipſes, and both of them of the Sun. The firſt Eclipſe of the Sun happens on *June* the firſt, at our ten a clock in the morning, and will be viſible to us. It is celebrated in 21. degrees of *Gemini*, in the Angle of the Heavens. It will appear total about the *Heſperides* or *Canary* Iſlands; and alſo it will be ſeen to ſuch as inhabit *Greenland*, or that Navigate in the North Sea; Likewiſe in *Hiſpaniola*, *Cuba*, &c. and in ſeveral other places, as the Globe will ſhow you; but it will not appear in all places alike Eclipſed, as every Student in Aſtronomy muſt underſtand.

The ſecond Eclipſe of the Sun happens on the 25. day of *November*, about our eight a clock in the morning. The Sun riſes Eclipſed as to us, and if the weather prove fair we may behold the defect. This Eclipſe will be viſible alſo in the Kingdoms of *Biafara*, *Benin*, in *New-Guinea*, *Madagaſcar*, *Virginia*, and alſo in the *Ethiopick* Ocean, *&c.* and in many other places, as ſuch, whom it concerns may find by the Globe.

In this year alſo will be celebrated a notable Conjunction of *Saturn* and *Mars* with the *Pleiades*, or that Conſtellation vulgarly called the Seven Stars. It happens on *July* the 15. day, and may be ſeen a little after midnight, in the Eaſt part of the Heavens.

January hath xxxi. dayes.

New Moon 5. day, 38. m. past 4 in the morning.
First quarter the 12. day, at 9. at night.
Full Moon the 20. day, at 7. at night.
Last quarter the 27. day, 8. m. past 6. at night.

					Sun-rising.		Sun setting.	
1	a	New-years day.	26	thighs	8	4	3	56
2	b	Oct. Stephen.	27	thighs	8	3	3	57
3	c	Oct. John.	28	knees	8	2	3	58
4	d	Oct. Innocents.	29	knees	8	0	4	0
5	e	Edward depos.	●	knees	7	59	4	1
6	f	Twelf-day.	1	legs	7	58	4	2
7	g	Julian.	2	legs	7	57	4	3
8	a	Lucian.	3	feet	7	55	4	5
9	b	Agapite.	4	feet	7	54	4	6
10	c	Paul.	5	head	7	52	4	8
11	d	Higins.	6	head	7	50	4	10
12	e	Satyrius.	7	head	7	48	4	12
13	f	Hillary.	8	neck	7	47	4	13
14	g	Felix.	9	neck	7	46	4	14
15	a	Maurus.	10	arms	7	45	4	15
16	b	Marcellus.	11	arms	7	44	4	16
17	c	Antonius.	12	arms	7	42	4	18
18	d	Prisca.	13	breast	7	40	4	20
19	e	Pontianus.	14	breast	7	38	4	22
20	f	Fab. and Sab.	15	heart	7	36	4	24
21	g	Agnes.	16	heart	7	34	4	26
22	a	Vincent.	17	bowels	7	32	4	28
23	b	Emerentia.	18	bowels	7	30	4	30
24	c	Term begins.	19	reins	7	28	4	32
25	d	Conv. of St. Paul.	20	reins	7	26	4	34
26	e	Policarp.	21	secrets	7	24	4	36
27	f	Chrysost.	22	secrets	7	23	4	37
28	g	Agnes 2.	23	secrets	7	21	4	39
29	a	Valerius.	24	thighs	7	19	4	41
30	b	K. Charles Mart.	25	thighs	7	17	4	43
31	c	Saturnus.	26	knees	7	16	4	44

February hath xxix. dayes.

New Moon the 3 day, 39 m. paſt 6. at night
Firſt quarter the 11. day, 49. m. paſt 4. in the afternoon
Full Moon the 19. day, 56. m. paſt 9. in the forenoon.
Laſt quarter the 26. day, at 1. in the morning.

					Sun-riſing.		Sun ſetting.	
	D	Bridget.	27	knees	7	14	4	46
2	E	Purif. Mary.	28	legs	7	12	4	48
3	F	Blaſe.	●	legs	7	10	4	50
4	G	Gilbert.	1	feet	7	8	4	52
5	A	Agathy.	2	feet	7	6	4	54
6	B	Shrove-Sunday.	3	feet	7	4	4	56
7	C	Paul Biſh.	4	head	7	2	4	58
8	D	Lucius.	5	head	7	0	5	0
9	E	Apolin.	6	neck	6	58	5	2
10	F	Scholaſtica.	7	neck	6	56	5	4
11	G	Euphraſie.	8	arms	6	54	5	6
12	A	Term ends.	9	arms	6	52	5	8
13	B	Wolfran.	10	arms	6	50	5	10
14	C	Valentine.	11	breaſt	6	48	5	12
15	D	Fauſtin.	12	breaſt	6	46	5	14
16	E	Julian.	13	heart	6	44	5	16
17	F	Polycron.	14	heart	6	42	5	18
18	G	Simeon.	15	heart	6	40	5	20
19	A	Sabine.	16	bowels	6	38	5	22
20	B	Mildred.	17	bowels	6	36	5	24
21	C	79 Martyrs.	18	reins	6	34	5	26
22	D	Peters Chair.	19	reins	6	32	5	28
23	E	Policarp.	20	ſecrets	6	30	5	30
24	F		21	ſecrets	6	28	5	32
25	F	S. Matthias Apoſt.	22	thighs	6	26	5	34
26	G	Conſtance.	23	thighs	6	24	5	36
27	A	Auguſtine.	24	knees	6	22	5	38
28	B	Oſwald.	25	knees	6	20	5	40
29	C	Romanus.	26	legs	6	19	5	41

March hath xxxi. dayes.

New Moon the 4. day, 7 m. past. 10 in the forenoon
First quarter the 12. day, 43. m. past noon.
Full Moon the 19. day, 9. m past 7. at night.
Last quarter the 26. day, 50. m. past 8. in the forenoon.

					Sun-rising		Sun-setting	
1	D	David Bish.	27	legs	6	18	5	42
2	E	Chad. Bish.	28	feet	6	16	5	44
3	F	Maurice.	29	feet	6	14	5	46
4	G	Adrian.	●	feet	6	12	5	48
5	A	Eusebius.	1	head	6	10	5	50
6	b	Victor.	2	head	6	8	5	52
7	c	Perpetua.	3	neck	6	6	5	54
8	D	40. Martyrs.	4	neck	6	4	5	56
9	E	Apolline.	5	neck	6	2	5	58
10	F		6	arms	6	0	6	0
11	G	Quirion.	7	arms	5	58	6	2
12	A	Gregory.	8	breast	5	56	6	4
13	b	Eufrage.	9	breast	5	54	6	6
14	c	Candid.	10	breast	5	52	6	8
15	D	Longinus.	11	heart	5	50	6	10
16	E	Boniface.	12	heart	5	48	6	12
17	F	S. Patrick.	13	bowels	5	46	6	14
18	G	Edward. King.	14	bowels	5	44	6	16
19	A	Palm Sunday.	15	reins	5	42	6	18
20	b	Cuthbert.	16	reins	5	40	6	20
21	c	Benedict.	17	secrets	5	38	6	22
22	D	Paulinus.	18	secrets	5	36	6	24
23	E	Theodor.	19	thighs	5	34	6	26
24	F	Agapitus.	20	thighs	5	32	6	28
25	G	Annun. Mary.	21	knees	5	30	6	30
26	A	Easter day.	22	knees	5	28	6	32
27	b	Martian.	23	legs	5	26	6	34
28	c	Dorothy.	24	legs	5	24	6	36
29	D	Quintine.	25	legs	5	22	6	38
30	E	Quirinus.	26	feet	5	20	6	40
31	F	Adelmus.	27	feet	5	18	6	42

April hath xxx. dayes.

New Moon the 3. day, 11. m. past 2. in the morning.
First quarter the 11. day, 4 m. past 5. in the morning.
Full Moon the 18. day, at 3. in the morning.
Last quarter the 24. day, 40. m. past 6. in the afternoon.

					Sun-rising.		Sun-setting.	
1	G	Theodor.	28	head	5	16	6	44
2	A	Low-sunday.	29	head	5	14	6	46
3	b	Richard	☽	head	5	12	6	48
4	c	Ambrose.	1	neck	5	10	6	50
5	d	Martiman.	2	neck	5	8	6	52
6	e	Sixtus.	3	arms	5	6	6	54
7	f	Alexander.	4	arms	5	4	6	56
8	G	Dusianus.	5	arms	5	2	6	58
9	A	Perpetuus.	6	breast	5	0	7	0
10	b	7. Virg. Mart.	7	breast	4	58	7	2
11	c	Guthliacus.	8	heart	4	56	7	4
12	d	Term begins.	9	heart	4	54	7	6
13	e	Justine.	10	bowels	4	52	7	8
14	f	Tiburtius.	11	bowels	4	50	7	10
15	G	Leonard.	12	bowels	4	48	7	12
16	A	Irenæus.	13	reins	4	46	7	14
17	b	Cosme.	14	reins	4	44	7	16
18	c	Valerian.	15	secrets	4	42	7	18
19	d	Osmond.	16	secrets	4	40	7	20
20	e	Victor.	17	thighs	4	39	7	21
21	f	Simeon.	18	thighs	4	37	7	23
22	G	Sother.	19	knees	4	35	7	25
23	A	St. George.	20	knees	4	33	7	27
24	b	Adelburg.	21	egs	4	32	7	28
25	c	St. Mark Evang.	22	egs	4	30	7	30
26	d	Cletus.	23	feet	4	28	7	32
27	e	Anastatius.	24	feet	4	27	7	33
28	f	Vitalis.	25	head	4	25	7	35
29	G	Peter.	26	head	4	23	7	37
30	A	Erkenwald.	27	head	4	22	7	38

May hath xxxi. dayes.

New Moon the 2. day, 8 m. past 6. at night.
First quarter the 10. day, 7. m. past. 6. in the afternoon.
Full Moon the 17. day, 17. m. past 10. in the forenoon.
Last quarter the 24. day, 29. m. past 6. in the forenoon.

					Sun-rising.		Sun-setting.	
1	b	Phil. and Jacob.	28	neck	4	21	7	39
2	c	Athanasius.	●	neck	4	20	7	40
3	d	Invent. Cross.	1	arms	4	19	7	41
4	e	Ascension day.	2	arms	4	18	7	42
5	f	Goddard.	3	arms	4	16	7	44
6	g	Jo. port. Lat.	4	breast	4	15	7	45
7	A	Beverly.	5	breast	4	13	7	47
8	b	Term ends.	6	heart	4	12	7	48
9	c	Transl. of N.	7	heart	4	11	7	49
10	d	Gordian.	8	heart	4	9	7	51
11	e	Anthony.	9	bowels	4	8	7	52
12	f	Pancratius.	10	bowels	4	6	7	54
13	g	Boniface.	11	reins	4	5	7	55
14	A	Whit-sunday.	12	reins	4	3	7	56
15	b	Brandine.	13	secrets	4	2	7	58
16	c	Adelgune.	14	secrets	4	1	7	59
17	d	Torpetus.	15	thighs	3	59	8	1
18	e	Potentius.	16	thighs	3	58	8	2
19	f	Dunstan.	17	knees	3	57	8	3
20	g	Bernardine.	18	knees	3	56	8	4
21	A	Trinity-sunday.	19	legs	3	55	8	5
22	b	Juliana	20	legs	3	54	8	6
23	c	Desiderius.	21	feet	3	53	8	7
24	d	Adelme.	22	feet	3	52	8	8
25	e	Urban.	23	feet	3	51	8	9
26	f	Term begins	24	head	3	50	8	10
27	g	John Mart.	25	head	3	49	8	11
28	A	Monica.	26	neck	3	48	8	12
29	b	K. Charles 2. N. R.	27	neck	3	47	8	13
30	c	Felix.	28	neck	3	46	8	14
31	d	Perronell.	29	arms	3	46	8	14

June hath xxx. dayes.

New Moon the 1. day, 16. m. past 9. in the forenoon.
First quarter the 9. day, 36. m. past 5. in the morning.
Full Moon the 15. day, 26. m. past 5. in the afternoon.
Last quarter the 22. day, 44. m. past 8. at night.
New Moon the last day, at midnight.

					Sun-rising.		Sun-setting.	
1	c	Nicomede.	●	arms	3	46	8	14
2	f	Marcelline.	1	breast	3	45	8	15
3	g	Erasmus.	2	breast	3	45	8	15
4	a	Petrosius.	3	breast	3	45	8	15
5	b	Boniface.	4	heart	3	44	8	16
6	c	Claudius.	5	heart	3	44	8	16
7	d	Wolstane.	6	bowels	3	44	8	16
8	e	Medard.	7	bowels	3	43	8	17
9	f	Felician.	8	reins	3	43	8	17
10	g	Margaret.	9	reins	3	43	8	17
11	a	Barnabas.	10	secrets	3	43	8	17
12	b	Basil.	11	secrets	3	43	8	17
13	c	Felicula.	12	thighs	3	43	8	17
14	d	Term ends.	13	thighs	3	43	8	17
15	e	Vitus.	14	knees	3	43	8	17
16	f	Rowland.	15	knees	3	44	8	16
17	g	Botolph.	16	legs	3	44	8	16
18	a	Marcellina.	17	legs	3	44	8	16
19	b	Gervasius.	18	legs	3	45	8	15
20	c	Silverius.	19	feet	3	45	8	15
21	d	Walburg.	20	feet	3	45	8	15
22	e	Albane.	21	head	3	46	8	14
23	f	Æthelred.	22	head	3	46	8	14
24	g	St. John Baptist.	23	neck	3	47	8	13
25	a	Eligius.	24	neck	3	47	8	13
26	b	John and Paul.	25	neck	3	48	8	12
27	c	7 Sleepers.	26	arms	3	49	8	11
28	d	Leo Bish.	27	arms	3	50	8	10
29	e	St. Peter Apost.	28	breast	3	51	8	9
30	f	Lutina.	●	breast	3	52	8	8

July hath xxxi. dayes.

First quarter the 8. day, 13. m. past 10. in the forenoon.
Full Moon the 15. day, 23. m. past 1. in the morning.
Last quarter the 22. day, 33. m. past noon.
New Moon the 30. day. 37. m. past noon.

						Sun-rising.		Sun-setting.	
1	G	Theobaldus.	1	breast	3	53	8	7
2	A	Visit. Mary.	2	heart	3	54	8	6
3	b	Hiacinth.	3	heart	3	55	8	5
4	c	Viricus.	4	bowels	3	56	8	4
5	D	Anselm.	5	bowels	3	57	8	3
6	e	Hector.	6	reins	3	58	8	2
7	f	Becket.	7	reins	3	59	8	1
8	g	Chilianus.	8	reins	4	0	8	0
9	A	Cyrillus.	9	secrets	4	1	7	59
10	b	7. Brethren.	10	secrets	4	3	7	57
11	c	Pius.	11	thighs	4	4	7	56
12	D	Nabor.	12	thighs	4	5	7	55
13	e	Privatus.	13	knees	4	7	7	53
14	f	Bonavent.	14	knees	4	8	7	52
15	g	S. Swithin.	15	legs	4	10	7	50
16	A	Osmond.	16	legs	4	11	7	49
17	b	Alexius.	17	feet	4	13	7	47
18	c	Rosina.	18	feet	4	15	7	45
19	D	Dog daies begin.	19	head	4	17	7	43
20	e	Margaret.	20	head	4	19	7	41
21	f	Arbogast.	21	head	4	21	7	39
22	g	Mary Mag.	22	neck	4	22	7	38
23	A	Apollin.	23	neck	4	24	7	36
24	b	Christin.	24	arms	4	26	7	34
25	c	St. James Apost.	25	arms	4	27	7	33
26	D	Anna.	26	arms	4	29	7	31
27	e	Martha.	27	breast	4	30	7	30
28	f	Pantha eon.	28	breast	4	32	7	28
29	g	Beatrice.	29	heart	4	33	7	27
30	A	Abdon.	●	heart	4	35	7	25
31	b	German.	1	bowels	4	37	7	23

Auguſt hath xxxi. dayes.

First quarter the 6. day, at 3. in the afternoon.
Full Moon the 13. day, 2. m. paſt 11. in the forenoon.
Laſt quarter the 21. day, 10. m. paſt 6. in the forenoon.
New Moon the 28. day, 32. m. paſt 9. at night.

					Sun-ſetting.		Sun-riſing.	
1	c	Lammas day.	2	bowels	4	39	7	21
2	d	Stephen.	3	bowels	4	41	7	19
3	e	Lidia.	4	reins	4	43	7	17
4	f	Ariſtarchus.	5	reins	4	44	7	16
5	g	Oſwald.	6	ſecrets	4	46	7	14
6	a	Sixtus.	7	ſecrets	4	48	7	12
7	b	Victrice.	8	thighs	4	49	7	11
8	c	Cyriacus.	9	thighs	4	51	7	9
9	d	Auguſtus.	10	knees	4	53	7	7
10	e	Lawrence.	11	knees	4	55	7	5
11	f	Tiburtius.	12	legs	4	57	7	3
12	g	Clare.	13	legs	4	59	7	1
13	a	Hipolitus.	14	feet	5	0	7	0
14	b	Euſebius.	15	feet	5	2	6	58
15	c	Aſſum. Mary.	16	feet	5	4	6	56
16	d	Roch.	17	head	5	6	6	54
17	e	Mimance.	18	head	5	8	6	52
18	f	Agapite.	19	neck	5	10	6	50
19	g	Sebaldus.	20	neck	5	12	6	48
20	a	Bernard.	21	neck	5	14	6	46
21	b	Athanaſius.	22	arms	5	16	6	44
22	c	Symphor.	23	arms	5	17	6	43
23	d	Zacheus.	24	breaſt	5	19	6	41
24	e	St. Barthol. Apoſt.	25	breaſt	5	21	6	39
25	f	Lewis.	26	breaſt	5	23	6	37
26	g	Irenæus.	27	heart	5	25	6	35
27	a	Dog daies end.	28	heart	5	27	6	33
28	b	Auguſtine.	●	bowels	5	29	6	31
29	c	S. John B. behead.	1	bowels	5	30	6	30
30	d	Felix.	2	reins	5	32	6	28
31	e	Paulinus.	3	reins	5	34	6	26

September hath xxx. dayes.

First quarter the 4. day, 48. m. past 7. at night.
Full Moon the 11. day, 32. m. past 11. at night.
Last quarter the 20. day, 34. m. past midnight.
New Moon the 27. day, 16. m. past 11. in the forenoon.

					Sun-rising.		Sun-setting.	
1	f	Gyles.	4	secrets	5	36	6	24
2	g	Veronica.	5	secrets	5	38	6	22
3	A	Gregory.	6	thighs	5	40	6	20
4	b	Theodosia.	7	thighs	5	42	6	18
5	c	Victorine.	8	knees	5	44	6	16
6	d	Magnus.	9	knees	5	46	6	14
7	e	Regina.	10	knees	5	48	6	12
8	f	Nat. Mary.	11	legs	5	50	6	10
9	g	Gorgonius.	12	legs	5	52	6	8
10	A	Hilarius.	13	feet	5	54	6	6
11	b	Felix.	14	feet	5	56	6	4
12	c	Guidon.	15	head	5	58	6	2
13	d	Amatus.	16	head	6	0	6	0
14	e	Holy Cross.	17	neck	6	2	5	58
15	f	Nichomede	18	neck	6	4	5	56
16	g	Euphemia.	19	neck	6	6	5	54
17	A	Lampert.	20	arms	6	8	5	52
18	b	Fereolus.	21	arms	6	11	5	49
19	c	Januarius.	22	breast	6	13	5	47
20	d	Fausta.	23	breast	6	15	5	45
21	e	St. Matthew Apo.	24	breast	6	17	5	43
22	f	Maurice.	25	heart	6	20	5	40
23	g	Esdras.	26	heart	6	22	5	38
24	A	Ropert.	27	bowels	6	24	5	36
25	b	Cleophas.	28	bowels	6	26	5	34
26	c	Ciprian.	29	reins	6	28	5	32
27	d	Judith.	●	reins	6	30	5	30
28	e	Wenceslaus.	1	reins	6	32	5	28
29	f	St. Michael Arch.	2	secrets	6	34	5	26
30	g	Hieron.	3	secrets	6	36	5	24

October hath xxxi. dayes.

First quarter the 4. day, 15 m. past 2. in the morning.
Full Moon the 11. day, 39 m. past 2. in the afternoon.
Last quarter the 19 day, 49. m. past 6. at night.
New Moon the 26 day, 39. m. past 9. at night.

					Sun-rising.		Sun-setting.	
1	A	Remigius.	4	thighs	6	39	5	21
2	b	Leodegar.	5	thighs	6	41	5	19
3	c	Maximinian.	6	knees	6	43	5	17
	d	Francis.	7	knees	6	45	5	15
4	e	Placidus.	8	legs	6	47	5	13
6	f	Faith Virg.	9	legs	6	49	5	11
7	g	Sergius.	10	feet	6	50	5	10
8	A	Pelagia.	11	feet	6	52	5	8
9	b	Dionisius.	12	head	6	54	5	6
10	c	Gereon.	13	head	6	56	5	4
11	d	Burchard.	14	head	6	58	5	2
12	e	Colman.	15	neck	7	0	5	0
13	f	S. Edward.	16	neck	7	2	4	58
14	g	Calixtus.	17	arms	7	4	4	56
15	A	Hedwig.	18	arms	7	6	4	54
16	b	Gallus.	19	arms	7	8	4	52
17	c	Florentius.	20	breast	7	10	4	50
18	d	St. Luke Evang.	21	breast	7	12	4	48
19	e	Ptolom.	22	heart	7	14	4	46
20	f	Edmond. K.	23	heart	7	15	4	45
21	g	Ursula.	24	heart	7	17	4	43
22	A	Cordula.	25	bowels	7	19	4	41
23	b	Term begins.	26	bowels	7	20	4	40
24	c	Salome.	27	reins	7	22	4	38
25	d	Crispin.	28	reins	7	24	4	36
26	e	Amandus.	●	secrets	7	25	4	35
27	f	Florence.	1	secrets	7	27	4	33
28	g	St. Sim. and Jude.	2	thighs	7	29	4	31
29	A	Narcissus.	3	thighs	7	30	4	30
30	b	Germane.	4	knees	7	32	4	28
31	c	Quintine.	5	knees	7	33	4	27

November hath xxx. dayes.

First quarter the 2. day, 6. m. past noon.
Full Moon the 10. day, 49. m. past 8. in the forenoon.
Last quarter the 18. day, 2. m. past noon.
New Moon the 25. day, 52. m. past 7. in the forenoon.

					Sun-rising.		Sun-setting.	
1	D	All Saints.	6	legs	7	35	4	25
2	e	All Souls.	7	legs	7	37	4	23
3	f	Winifride.	8	feet	7	39	4	21
4	g	Amantius.	9	feet	7	41	4	19
5	a	Powder Plot.	10	feet	7	43	4	17
6	b	Leonard.	11	head	7	45	4	15
7	c	Florentius.	12	head	7	47	4	13
8	d	Claudius.	13	neck	7	49	4	11
9	e	Theodore.	14	neck	7	51	4	9
10	f	Triphon.	15	arms	7	52	4	8
11	g	S. Martin.	16	arms	7	54	4	6
12	a	Cunibert.	17	arms	7	55	4	5
13	b	Brice.	18	breast	7	57	4	3
14	c	Frederick.	19	breast	7	58	4	2
15	d	Leopaldus.	20	breast	7	59	4	1
16	e	Othmar.	21	heart	8	0	4	0
17	f	Anianus.	22	heart	8	1	3	59
18	g	Gelasius.	23	bowels	8	2	3	58
19	a	Elizabeth.	24	bowels	8	3	3	57
20	b	Agapinus.	25	reins	8	4	3	56
21	c	Oblat. Mar.	26	reins	8	5	3	55
22	d	Cecily.	27	secrets	8	6	3	54
23	e	Clement.	28	secrets	8	7	3	53
24	f	Firmine.	29	thighs	8	8	3	52
25	g	Katherine.	●	thighs	8	9	3	51
26	a	Conrade.	1	knees	8	10	3	50
27	b	Agricola.	2	knees	8	11	3	49
28	c	Term ends.	3	legs	8	12	3	48
29	d	Saturn.	4	legs	8	12	3	48
30	e	St. Andrew Apost.	5	legs	8	13	3	47

December hath xxxi. dayes.

First quarter the 1. day, 4. m. past 2. in the morning.
Full Moon the 10. day, 4. m. past 4. in the morning.
Last quarter the 18. day, 5. m. past 3. in the morning.
New Moon the 24. day, 14. m. past 6. at night.
First quarter the last day, 57. m. past 6. at night.

						Sun-rising.		Sun-setting.	
1	f	Egidius.	6	feet	8	14	3	46
2	g	Candid.	7	feet	8	14	3	46
3	a	Lucius.	8	head	8	15	3	45
4	b	Barbara.	9	head	8	15	3	45
5	c	Sabine.	10	neck	8	15	3	45
6	d	Nicholas.	11	neck	8	16	3	44
7	e	Agathon.	12	neck	8	16	3	44
8	f	Conc. of Mary.	13	arms	8	16	3	44
9	g	Joachim.	14	arms	8	17	3	43
10	a	Miltiades.	15	breast	8	17	3	43
11	b	Damasus.	16	breast	8	17	3	43
12	c	Epimachius.	17	breast	8	17	3	43
13	d	Lucy Virg.	18	heart	8	17	3	43
14	e	Nicasius.	19	heart	8	17	3	43
15	f	Valerian.	20	bowels	8	17	3	43
16	g	O sapientia.	21	bowels	8	16	3	44
17	a	Lazarus.	22	bowels	8	16	3	44
18	b	Christopher.	23	reins	8	16	3	44
19	c	Nemesius.	24	reins	8	15	3	45
20	d	Z non.	25	secrets	8	15	3	45
21	e	St. Thomas Apost	26	secrets	8	15	3	45
22	f	Theodose.	27	thighs	8	14	3	46
23	g	Victor Virg.	28	thighs	8	14	3	46
24	a	Adam and Eve.	●	knees	8	13	3	47
25	b	Christs Birth.	1	knees	8	12	3	48
26	c	St. Stephen.	2	legs	8	11	3	49
27	d	St. John Evang.	3	legs	8	10	3	50
28	e	Sts. Innocents.	4	feet	8	9	3	51
29	f	Thomas Becket.	5	feet	8	8	3	52
30	g	David King.	6	head	8	7	3	53
31	a	Silvester	7	head	8	6	3	54

A Table to know how long the Moon ſhineth, and when ſhe riſeth and ſetteth

Her age increaſing.	The hours ſhe ſhines.		Her age decreaſing.
☽	H.	M.	☾
1	0	48	29
2	1	36	28
3	2	24	27
4	3	12	26
5	4	0	25
6	4	48	24
7	5	36	23
8	6	24	22
9	7	12	21
10	8	0	20
11	8	48	19
12	9	36	18
13	10	24	17
14	11	12	16
15	12	0	15

THe uſe of this Table is this: The age of the Moon once known, and found in the ſide of the Table, then anſwering thereto, ſhall ye ſee the hours and minutes of her ſhining, to be counted from the Sun-ſetting, all the encreaſing till the full, and till then ſhe ſhineth in the evenings, and after the full ſhe ſhineth before the Sun-riſe in the morning, ſo many hours before the Sun-riſe as the Table ſheweth. And for her riſing and ſetting do thus all the encreaſe: Add to the hour of the Sun-riſing the hours found in the Table, and it ſhews the hour of her riſing. Again, add to the hour of the Sun-ſetting the hours and minutes found in the Table, and that is the hour of her ſetting. Then after the full, for her riſing do thus: From the Sun-riſing, take the hours found in the Table, and the reſt ſhews the riſing; and from the hour of the Sun-ſetting, take the hours found in the Table (borrowing twelve, if the ſubſtraction cannot elſe be made) and the reſt ſheweth the ſetting of the Moon.

The glorious Planet Venus is our bright Evening-Star from the beginning of the Year, until the 29 day of Auguſt; and then paſſing her Conjunction with the Sun, becomes our glorious Morning-Star again, and continues ſo to the end of the Year

A Table of Intereſt at Six *per Cent.*

	a day		a week.		a month.			3 months.				6 months.				a year.			
	l.	*c.*	*s.*	*d.*	*s.*	*d.*	*c.*	*l.*	*s.*	*d.*	*c.*	*l.*	*s.*	*d.*	*c.*	*l.*	*s.*	*d.*	*c.*
Shillings	1	00	0	1	0	6	6	0	0	0	18	0	0	0	36	0	0	0	72
	2	00	0	3	0	0	12	0	0	0	36	0	0	0	72	0	0	1	44
	3	00	0	4	0	0	18	0	0	0	54	0	0	1	08	0	0	2	16
	4	00	0	5	0	0	24	0	0	0	72	0	0	1	44	0	0	2	88
	5	00	0	7	0	0	30	0	0	0	90	0	0	1	80	0	0	3	60
	6	00	0	8	0	0	36	0	0	1	8	0	0	2	03	0	0	4	32
	7	00	0	10	0	0	42	0	0	1	26	0	0	2	52	0	0	5	04
	8	00	0	11	0	0	48	0	0	1	44	0	0	2	88	0	0	5	76
	9	00	0	12	0	0	54	0	0	1	62	0	0	3	24	0	0	6	48
	10	00	0	13	0	0	60	0	0	1	80	0	0	3	60	0	0	7	20
Pounds	10	40	0	27	0	1	20	0	0	3	60	0	0	7	20	0	1	2	40
	20	80	0	55	0	2	40	0	0	7	20	0	1	2	40	0	2	4	80
	30	120	0	82	0	3	60	0	0	10	80	0	1	9	60	0	3	7	20
	40	150	1	10	0	4	80	0	1	2	40	0	2	4	80	0	4	9	60
	50	190	1	38	0	6	00	0	1	6	00	0	3	0	0	0	6	0	0
	60	230	1	65	0	7	20	0	1	9	60	0	3	7	20	0	7	2	40
	70	270	1	93	0	8	40	0	2	1	20	0	4	2	40	0	8	4	80
	80	310	2	21	0	9	60	0	2	4	80	0	4	9	60	0	9	7	20
	90	350	2	48	0	10	80	0	2	8	40	0	5	4	80	0	10	9	60
	100	390	2	76	1	0	00	0	3	0	00	0	6	0	00	0	12	0	0
	200	790	5	52	2	0	00	0	6	0	00	0	12	0	00	0	1	4	0
	301	180	5	28	3	0	00	0	9	0	00	0	18	0	00	0	1	16	0
	401	880	11	14	4	0	00	0	12	0	00	1	4	0	00	0	2	8	0
	501	971	1	80	5	0	00	0	15	0	00	1	10	0	00	0	3	0	0
	602	361	4	57	6	0	00	0	18	0	00	1	16	0	00	0	3	12	0
	702	761	7	33	7	0	00	1	1	0	00	2	2	0	00	0	4	4	0
	803	151	10	9	8	0	00	1	4	0	00	2	8	0	00	0	4	16	0
	903	551	2	0	85	9	0	0	1	5	0	0	2	14	0	0	5	8	0
	1003	941	3	3	16	10	0	0	1	10	0	0	3	0	0	0	6	0	0

THis Table ſhews the Intereſt of any ſum of Money from 1 *s.* to a 100 *l.* from a day to a year. And by the help of Addition you may compute the Intereſt of any ſum whatſoever. And note, that for the greater exactneſs the peny is divided into 100 parts; ſo that 25 parts are a farthing, and 50 parts an half-peny, and 75 parts 3 farthings, *&c. Example:*

The Intereſt of 100 *l.* for ſix months one week and one day, is thus found by the Table.

		l.	*s.*	*d.*	*c.*		
Intereſt of 100 *l.*	for 6 mon.	03	0	0	00	*l.*	*s.* *d.*
	for 1 week.	00	2	3	61	*viz.*	3-2-7 half-pen.
	for a day.	00	0	3	94		
		03	2	7	55		

A CATALOGUE

Of the Fairs

In ENGLAND and WALES;

Revised, Corrected, and Enlarged.

Fairs in January.

THe 3 day at Llanibither, 5 at Hickerford in Lancashire, 6 at Salisbury, Bristol, 7 at Llanginny, 25 at Laighton-buzzard, Bristol, Churchingford, Northallerton in Yorkshire, Gravesend, 31 at Llandissel.

Fairs in February.

The 1 day at Bromly in Lancashire, 2 at Bath, Bicklesworth, Bugworth, Farrington, Goldemew, Lyn, Maidston, Reading, Beconsfield, the Vizes in Wiltshire, Whitland, 3 at Boxgrove, Brimley, 6 at Stafford for six days with all kind of merchandise without arrest, 8 at Tragaron, 9 at Landaff, 14 at Owndle in Northamptonshire, Feversham, 24 at Baldock, Bourn, Froom, Buckingham, Henly upon Thames, Higham-Ferries, Tewksbury, Uppingham, Walden, 26 at Stanford an horse-fair.

Fairs in March.

The 1 day at Langadog, Llangevellath, at Madrin, 3 at Bremwel-brakes in Norfolk, 4 at Ockham, 8 at Tragarton, 12 at Spaford, at Stamford, at Sudbury, Woburn Wrexam, Bodnam, Alsome in Norfolk, 13 at Wye,

Bodwin in Cornwal, Mountbodwin, 17 at Patrington, 18 at Sturbridge, 20 at Alesbury, Durham, 24 at Lanerchemith, 25 at Saint Albans, Ashwel in Hertfordshire, Burton, Cardigan, Cartwalden in Essex, Huntington, Saint Jones in Worcestershire, Malden, Malpas, Newcastle, Northampton, Oney in Buckinghamshire, Woodstock, Whitland, Great Chart, 31 at Malmsbury.

Fairs in April.

The 2 at Hitchin, Northstreet, Rochford, 3 at Leek in Staffordshire, 5 at Wallingford, 7 at Derby, 8 at Fenny-stratford, 9 at Billingsworth, 11 at Newport-Pagnel, 22 at Stabford, 23 at Impthil, at Bewdley, Bruton, Bridgstock, Bilson, Bury in Lancashire, Castlecombs, Charing, Chichester, Engfeild in Sussex, Gilford, Bishops-Hatfield, Hunningham, Ipswich, Kilborough, Lonquer, Northamton, Nutley in Sussex, Saint Pombes, Sawbridgworth, Tamworth, Wilton, Wortham, Ritsborough, Harbin in Forfolk, Sapser in Hartfordshire, 25 at Risborough, Bourn in Lincolnshire, Buckingham, Cleve in Wiltshire, Cliff in Sussex, Colebrook, Luton in Bedfordshire, Dunmow in Essex, Darby, Innings in Buckinghamshire, Ockham, Utoxeter, Winchcomb, 26 at Tenterden in Kent, Clere.

Fairs in May.

The 1 day at Andover, Blackburn in Lancashire, Brickhil, Silso in Bedfordshire, Chelmsford, Congerton in Cheshire, Folkingham, Grighowel, Kimar, Leighton, Leicester, Litchfield, Lexfield in Suffolk, Linfield, Larrissent, Louth, Maidston, Ocestre in Shropshire, Perin, Phi-

lips-

ins Norton, Pombridge, Reading, Rippon, Stanted, Stow the old, Stocknailand, Turford in the Clay, Usk, Yadenil, Warwick, Wendover, Worldworth if not Sunday, 2 at Powlthely in Carmarthenshire, 3 at Abergavenny, Ashburn-peak, Arundel, Bramyard, Bala, Cherley Inner Matlands. Chipnam, Church-stretton in Shropshire, Cowbridge in Glamorganshire, Darby, Denby, Elstow by Bedford, Hingham, Hethy, Mountron, Non-Eaton, Huddersfield, Rotchdale in Lancashire, Tidnel, Walton-Abby, Thetford in Norfolk, 5 at Warchenleth in Mountgomeryshire, 6 at Almsbury, Boy, Knighton, 7 at Bath, Beverly, Hanstop, Newton in Lancashire, Yatsbury, Oxford, Stratford upon Avon, Thunderley in Essex, 9 at Baldston, 10 at Ashbern-peak, 11 at Dunstable, 12 at Grays-Thorock in Essex, 13 at Bala in Merion, 15 at Welch-Pool in Mountgomeryshire, 16 at Langarranog in Cardigan, 19 at Bayfield, Odehil, Rochester, Wellow, 20 at Blackburn, 29 at Cranbrook, 31 at Pershore.

Fairs in June.

The 3 day at Alesbury, 9 at Baldston, 11 at Holt, Kinwilgate in Carmarthenshire, Warfield, Newborough, Newcastle in Emlim, Nottingham, Wellington, Newport Pagnel, Shipton upon Stowr, Bremel in Norfolk, 13 at Newton in Redewen in Mountgomeryshire, 14 at Bangor, 15 at Witzes, Pershore 7 miles from Worcester, 16 at Wealth in Brecknock, Newport in Reames, 17 at Hadstock, Higham-Ferries, Llanbilling, Stowgran, 19 at Bridgenorth, 21 at Pstradmerick, 22 at Saint Albans, Shrewsbury, Durham in Norfolk, 23 at Barnet,

Dolgelly in Merion. 24 at Ashburn, S. Annes, Awkingborough, Bedford, Bedle, Beverley, Bishopscastle, Broughton-green-market, Bosworth, Brecknock, Broomsgrove, Cambridge, Colchester, Cranbrook, Croyden, Farnam, Hurst, Kingston in Warwickshire, Kirkham in Aunderness, Lancaster, Leicester, Gloucester, Hallifax, Hertford, Hareston, Horsham, Lincoln, Ludlow, Pemsay, Preston, Reading, Romford, Shaftsbury, Straitstock, Tunbridge, Wakefield, Wenlock, Westchester, Windsor, Wormster, York, 26 at Northop, 27 at Burton upon Trent, Folkston, Landogain, 28 at Hescorn, Merchenleth, S. Pombes, 29 at Ashwel, Bala, Barkhamsted, Bennington, Biballance, Bolton, Bromly, Buckingham, Buntingford, Cardiffe, Gorgan, Hodesdon, Holnworth, Horndon, Hudderfield lower, Knotsford, Lempster, Lamorgon, Lambeder, Marlborough, Mountsorel, Munstril, Oney, Peterborough, Peterfield, Pontstephen, Sarstrange, Sennock, Southam, Stafford, Stockworth, Sudburn, Thorokgrais, Tring upon Wem, Westminster, Witney, Wolverhampton, Woodhurst, York, 30 at Wakefield in Cheshire.

Fairs in July.

The 2 day at Ashton under line, Congerton, Huntington, Rickmansworth, Smeath in Kent, Swandley, Woburn, 3 at Haverson, 5 at Burton upon Trent, 6 at Haverhil, Llanibither, Llanidlas, 7 at Canterbury, Albrighton, Burntwood, Chippingnorton, Castlemain, Chappelfrith, Canterbury, Denbigh, Emlin, Haverford, Richmond, Royston, Shelford, Swerton, Tenbury, Threshevimich, Vizes, Uppingham,

at Pracy-Lin, Partney, 13 at Fodringhay, at Greenstead, Laighton-buzzard, Finch-ck, 17 at Stevenage, Belth, Knelms, Lock, dbilling, 20 at Winchcomb, Awferton, rkway, Barley, Boulton, Bowlin, Gatesby, himmock, Coolidg, Llanibither, S. Marga-ts, Neath, Odiham, Tenby, Urbridge, Wood-ck, 21 at Bernards-castle, Battlefield, Bic-esworth, Billericay, Bridgnorth, Broughton, ln, Clitheral, Colchester, 22 at Chesham, kleton, Keswich, Kimolton, Kingston, Mawd-hil, Win, Hey, Marlborough, Newark upon rent, Norwich, Ponterly, Kidwelly, Roking, onystratford, Stokesbury, Tudbury, Wither-l, Withgrig, Yadeland, Yern, 23 at Car-rban, Cheston, 25 at Cromish by Walling-ord, Abingdon, Ashwel, Aldergam, Baldock, arkhamsted, Bilson, Boston, Bristol, Broms-grove, Bromly, Brodoke, Buntingford, Camb-en, Capel-Jago, Chichester, Darby, Don-castle, Dover, Dudly, Frith, Hartfield, Saint James London, Saint James by Northampton, Ipswich, Kingston, Lisle, Kirkham, Linfield, Liverpool, Louth, Malpas, Malmsbury, Machen-bleth, Ravenglass, Reading, Richmond the North, Rosse, Safforn-walden, Schifnal, Skip-ton, Stamford, Stackpool, Stone, Themble-gran, Thickham, Thrapston, Tilbury, Tro-bridg, Walden, Warrington, Witherby, Wig-more, 27 at Ashwel, Canterbury, Chappel-frith, Horsham, 30 at Stafford.

Fairs in August.

The 1 at Bedford, Chepstow, Dunstable, St. Eeds, Exeter, Feversham, Flint, Hay, Hors-nay, Kaermarthen, Kaergwilly, Llantrissent,

Lawitwin, Lubford, Loughborough, Malling, Newton in Lancashire, Newcastle upon Trent, Northam, Church-Kumney, Shrewsbury, Sherborn, Selby, Thaxted, Wilsdich, Eland, York 4 at Radnor, Linton, 6 at Bradney, Peterburgh 9 at Aberlew, 10 at Bedford, Alchurch, Banbury, Blackamoor, Bodwin, Bramford, Childy, Chorley, Croyley, Frodsham, Fulnea, Harley, Hewckhurst, Horn-castle, Hungerford, Fellow, Kenwilgal, Kilgarton, Ludlow, Marras, Melton-Mowbray, Nearworth, Newborough, Oundle, Rugby, Sedole, Sherborn, Leceter, Waltham-Abby, Weydon, Worcester, Winslow, 15 at S. Albans, Bolton, Cambridge, Carlisle, Cardigan, Gisborough, Gadhurst, Hinkly, Huntington, Luton, Marborough, Newin, Northampton, Newport in Monmouthshire, Preston, Rajadargwy, Rols, Stow in Lincolnshire, Stroud, Swanley, Ludbury, Wakefield, Whitland, Yminith, 24 at Aberconway, Aborough, Ashby de la Zouch, Beggersbush, Bromly, Brigstock, Chorely, Creland, Dober, Daring, Grinsby, Harwood, Kidderminster, London, Mountgomery, Monmouth, Nantwich, Nazhallerton, Norwich, Oxford, Sudbury, Tewksbury, Loddington in Bedfordshire, Watford, 28 at Alsford, Daintry, Sturbridge in Worcestershire, Watford, Wan, Walsarn-gran, Welch-Pool, 29 at Breckneck, Colb in Lincolnshire, Kaerwis, Karmarthen, Makhun, Watford. Monday after Bartbol. at Sandich.

Fairs in September.

2 At Chappel-Silby, S. Giles, Meath, 7 at Ware, Woodbury-Hill, 8 at Therston, Bewmaris, Blackborn, Brewood, Bury in Lancashire,

re, Cardigan, Cardiff, Charton, Chalston in
eshire, Drayton, Dryfield, Gisborough,
iborn, Hartford, Huntington, Llandissel,
alden, Northampton, Partney, Reculver,
neath, Snide, Southwark, Sturbridge,
enby, Utceter, Wakefield, Waltham on the
Woulds, West-Neath, Whiteland, 12 at
Worsworth, Walpit, Tuxford, 13 at New-
ton, Redwin, Powlthely, 14 at Abergaveny,
esbury, Cheping-wocomb, Barsley, Woburn,
hurch-stretton, Chesterfield, Denbigh, Hi-
m, Hisbury, Muncten, Newborough, New-
rt, Penhad, Rippon, Richmond, Rosse, Roc-
ingham, Smalding, Stratford upon Avon,
altham-Abby, Wotton under hedg, 15 at
ujadarwy, 17 at Cliff, Llanidlas, 20 at Llan-
elly, Ruthin, 21 at Abergwilly, Baldock,
edford, Braintry, Brackly Maiden, Bul-
ich, Canterbury, Dover, Clapon, Croyden,
aintry, Eastrid, St Edmondsbury, Heimsley,
olden, Katherin-Hill, Knighton, Kingston,
Ware, Marlborough, Malden, Mildnal, Not-
tingham, Peterborow, Shrewsbury, Stratford,
Vizes, Wendover, Witheral, Woodstock, 23 at
Pancridg in Staffordshire a great horse-fair; 24
at Llanvilling, Molton a week, 26 at Darby,
28 at Dolgeth, Kaermarthen, 29 at Lame,
Stow the old, Aberton, Aberconway, Albons,
Hshbornpeak, Balmstock, Basingstoke Bishop-
Stratford, Blackburn, Bunningham, Buckland,
Burwel, Canterbury, Chichester, Cockermouth,
Marketdeeping, Michael-Dean, Headley, Hay,
Higham-Ferries, S. Ives, Kingston, Hull,
Killingworth, Kingsland, Lawenham, Lanca-
ster, Leicester, Llanidlas, Llanveth-angel,
Llocher,

Llocher, Ludlow, Malden, Merchanleth, Methy, Newbury, Selby, Shelford in Bedfordshire, Sittingbourn, Stow in Lincolnshire, Tudding-ton, Uxbridge, Weybil, Weymer seven days, Westchester, Witham, Wodhamferry in Essex, Wokham, Yeaple, Llocer.

Fairs in October.

1 At Banbury, Caster, 2 at Salisbury, 3 at Bolton in the Moors, 4 at St. Michael, 6 at Habent in Hamshire, Maidstone in Kent, 8 at Bishop-Stratford, Chichester, Hereford, Llanbither, Pontstephen, Swanley, 9 at Ashburn-peak, Blich, Devises, Gainsborough, Harborough, Sawbridgworth, Thorock-Grayes, 11 at Newport-Pagnel, 12 at Bolton furnace, Langbeth, 13 at Aberrow, Charing, Creston, Colchester, Draiton, Edmunstow, Gravesend, Hitchen, Newport in Monmouthshire, Hodnet, Leiton-buzzard, Marshfield, Royston, Stopford, Stanton, Tamworth, Windsor, Graychester in Essex, 18 at Henden in Wiltshire, Ashwel, Banbury, Barnet, Brickhil, Bridgnorth, Bishops-Hatfield, Burton upon Trent, Charleton, Regis Cliff, Ely, Faringdon, Henly in Arden, Holt, Kidwelly, Isk, Lowhadden, Marlo upon Thames, Middlewich, Newcastle, Radnor, Thrist, Tidale, Tunbridge, Uphaven, Wellingborough, Wigham, Wrigley, York, 19 at Frideswin by Oxford, 21 at Saffron-Walden, Cicester, Coventry, Hereford, Llanbither, Leutham, Stokesley, 22 at Wickles-worth, Knotsford-lower, Ratsdale, Preston, Whitchurch, 25 at Beverley, 27 at Darnton, 28 at Bidderden in Bedfordshire, Aberconway, Ashbydelazouch, Bidderden, Hallaton, Hart-

ford,

Lemster, Llanedy, Newmarket, Preston Aunderness, Stamford, Lalisarn-green, arwick, Wilton, Wormster; Fryday before mon and Jude at Oxford, 31 at Abermales, elmsford, Ruthin, Powlethelly, Stokesley, akefield.

Fairs in November.

1 At Bicklesworth, Castlemain, Kellom, Dun-ble, Montgomery, Ludlow, 2 at Blechingly, ishops-castle, Elfmere, Kingston upon Tham. ek, Loughborough, Mayfield, Maxfield, York, t Kaermarthen, 5 at Welch-pool, 6 at An-ber, Bedford, Brecknock, Hertford, Lesford, ailing in Kent, Merton in Holderness, New-rt-Pond, Pembridge, Salford, Stanley, rigney, Wedlinton, Wetshod, 10 at Aber-ingreen, Lenton in Northamptonshire, Llani-ther 7 days, Rugby, Shefnal, Wem, 11 at berkennen, Bretlingham, Dover, Folking-am, Marlborough, Monmouth, Newcastle, emlin, Shaftsbury, Skipton on Craven, Tream, ithgrig, York, 13 at St. Edmondsbury, Gil-ford in Surry, 15 at Llanithinery, Marchenleth, Wellington, 17 at Harlow, Hide, Lincoln, Northampton, Spaloing, 10 at Horsham in Kent, 20 at S. Edmondsbury, Heath, Ingerston, 22 at Penibont, Swathey, 23 at Bangor, Swelth, Caerlin, Froom, Ludlow, Katesscross, Sandwich in Kent, 25 at Tuddington in Bed-fordshire, 27 at Higham-ferries, 28 at Ashborn-peak, 29 at Lawrest, 30 at Ampthil, Baldock, Bedford in Yorkshire, Bewdley, Bostonmart, Bradford, Collingborough, Cobham, Cubley, Engfield, Gargreen, Greensted in Sussex, Har-leigh, Kimbolton, Maidenhead, Maidenbrackley,

Carbert,

Carbert, Ceſtry, Peterfield, Pecoꝛes, Preſton, Rocheſter, Wakefield, Warrington.

Fairs in December.

1 At Tutbury, 5 at Dolgeth, Newton, Pluckley, 6 at Arundel, Caſen, Saint Eeds. Exeter, Grantham, Yeddingham, Yethin, Hoꝛnſey, Noꝛwich, Sennok, Spalding, Woodſtock, 7 at Sandhurſt, 8 at Bedfoꝛd, Bewmarts, Clitheral, Helſome, Kaerdigan, Kimar, Leiceſter, Malpas, Noꝛthampton, Witland, 11 at Newpoꝛt Pagnel, 21 at Hoꝛnby, 22 at Llandilabawꝛ, 29 at Canterbury, Koyſton, Saliſbury.

The Moveable Fairs.

From Chriſtmas till June, every Wedneſday at Noꝛthallerton. 3 Mundays after Twelfthday at Huckley in Leiceſterſhire. Tueſday after Twelfth day, at Yeltonmowbꝛay, and an hoꝛſe-fair at Saliſbury. Thurſday after Twelfth-day at Banbury, Littlewoꝛth, and every Thurſday 3 weeks after. Friday after Twelfth day at Litchfield. Shꝛove-Munday at Newcaſtle under line, Barkhamſted, Aſh-Wedneſd. at Abington, Camden in Glocesterſhire, Ciceter, Dunſtable, Eaton by Windſoꝛ, Exeter, Folkingham, Litchfield, Koyſton, Tamwoꝛth, Tunbꝛidge. 1 Thurſday in Lent at Banbury. 1 Munday in Lent at Cherſey, Chicheſter, Wincheſter. 1 Tueſday in Lent at Bedfoꝛd. 4 Munday in Lent at Odham, Saffoꝛn-Walden, Stamfoꝛd. Frtday and Saturday beſoꝛe the 5 Sunday in Lent at Hartfoꝛd. Munday beſoꝛe Annuntiation at Denby, Kendal, Wisbich. 5 Munday in Lent at Grantham, Yetrom in Suſſex, Saliſbury, Sudbury.

Wednesday before Palm-sunday at Dral-
Thursday before Palm-sunday at Llandissel-
m-sunday Eve at Alisbury, Leicester, New-
Pomfract, Skipton, Witsbich. Palm-mun-
at Billingsworth, Kendal, Llandauren,
cester. Wednesday before Easter at Kaer-
Llanbilling. Maund-Thursday at Retter-
Sudminster. Good-Friday at Acton-Bur-
Ampthil, Bishops-castle, Bruton, Bury,
ring, Englield, Gilford, Pinning, Ipswich,
nquer, Mellain, Nutley, Saint Pombs,
sborough, Rotheram. Tuesday in Easter-
ek at Brails, Daintry, Hitchin, Northfleet,
tchford, Sandich, Athby de la Zouch. Wed-
day in Easter-week at Wellingborough, Be-
rley, Redburn. Friday in Easter-week at Dar-
, Saturday at Skipton. Munday after Low-
nday at Bicklesworth, Ebesham, Newcastle.
hird Munday after Easter at Lowth: Rogati-
n-wak at Beverly, Englield, Reeh. Ascenti-
n-Eve, at Abergely, Darking. Ascention-day
Bewmaris, Bishopstratford, Brasted, Brun-
ing, Brydgnorth, Burton, Chappeltrith, Chap-
elmon, Ecclesbal, Eggleston, Hallaton, Rid-
erminster, Lutterworth, Middlewich, Newca-
le, Ripon, Rosse, Strappor, Sudminster,
izes, Wigan, Yang. Munday after As-
ention-day at Charsteed, Burlington. Wed-
nesday after Ascention-day at Shrewsbury.
Friday after Ascention-day at Ruthin. Whit-
unday-Eve at New-Inn, Skipton upon Cra-
en, Witsbich. Whitsun-Munday at Cribb,
irdysteden, Lenhim, Ratsdale, Rythil, Sa-
lisbury, Agmondsham, Amesford, Appleby,
Bicklesworth, Bradford, Bromiard, Burton,
Chiche-

Chicheſter, Cockermouth, Darrington, Ebeſ
Exeter, Harſtgreen, S. Ives, Linton, Dun
Rigate, Shelford, Sittingborn, Sleeford,
lome, Whitchurch, Darrington in the No
Wyſield, Stockchar. Whit-Tueſday at Aſh
Canterbury, Daintry, Elſmere, Faringd
Knotsford, Laiton-buzzard, Lewes, Longu
Long Wilford, Llanimthebery, Welton-Ho
bray, Midhurſt, Monmouth, Perith, Rochſ
Wyngſt. Wedneſday at Llanbedder, Llandeb
Leck, Newark upon Trent, Ponſtephen, Ro
ſton, Sandhar. Thurſday at Cukefield, Kin
ſton. Friday at Cockſhal, Darby, Stow in Gu
lim. Trinity-Eve at Pomfret, Rowel, Skipto
Urin. Munday at S. Mary Auke, Kenda
Hounſlow, Southcove, Stockly, Criſwel, Rally
Spisby, Watford, Tunbridge, Utzes. Tueſda
after Trinity at Abergavenny, Radnor. Wed
neſday at Aberſrow. Corpus Chriſti day at S
Annes, Banbury, Biſhop-Stratford, Breming
ham, Carewed, Egleſrew, Hallaton, Haligh
Kidderminſter, Llanwiſt, Llantmerchtmeth
Neath, Newport, Preſcot, S. Eeds, Stamford,
Stopport, Newburn, Hemſted, Rals. Friday
after Corpus Chriſti at Cobentry, Chepſtow in
Monmouthſhire. Munday after at Belton, Stam
ford. Munday after July 3 at Haberil. Munday
fortnight after Midſum. at Foddringay. The
Munday after Bartholo. at Sanbitch in Chesh.
Munday after S. Michael at Falely, S. Faiths
by Norwich, S. Michaels. Tueſday at Saltsbury.
Thurſday at Banbury. Munday fortnight after
Whitſund. at Darnton, & every Munday fortnight
after, until Chriſtmas. The Friday before Sim.
and Jude at Litchfield.

A

Table to know what Planet rules every hour either of day or night, for ever.

Governours the day.	Sunday.	Munday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.	Governours of the night.
Sol.	1	12	9	0	10	0	11	Jupiter.
Venus.	2	0	10	0	11	1	12	Mars.
Mercury.	3	0	11	1	12	2	0	Sol.
Luna.	4	1	12	2	0	3	0	Venus.
Saturn.	5	2	0	3	0	4	1	Mercury.
Jupiter.	6	3	0	4	1	5	2	Luna.
Mars.	7	4	1	5	2	6	3	Saturn.
Sol.	8	5	2	6	3	7	4	Jupiter.
Venus.	9	6	3	7	4	8	5	Mars.
Mercury.	10	7	4	8	5	9	6	Sol.
Luna.	11	8	5	9	6	10	7	Venus.
Saturn.	12	9	6	10	7	11	8	Mercury.
Jupiter.	0	10	7	11	8	12	9	Luna.
Mars.	0	11	8	12	9	0	10	Saturn.

The use of this Table is thus:

Under the day of your request, seek the hour that ye desire: then on the left side right there against shall ye see the Planet that governs that hour by day, and at the right side the Planet that rules it by night; as thus. On Thursday the third hour of the day rules Sol, and the eighth hour of the night governs Luna: and so of the rest, for it is plain enough.

A Table of all the Shires, together with the number of Pariſhes contained in every Shire both in *England* and *Wales*.

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Shires.	*Pariſhes.*
1 Barkſhire	140
2 Bedfordſhire	116
3 Buckingham	185
4 Cambridgeſhire	163
5 Cheſhire	68
6 Cumberland	58
7 Cornwal	161
8 Darbiſhire	106
9 Devonſhire	394
10 Dorſetſhire	248
11 Eſſex	415
12 Glouceſterſhire	280
13 Hartfordſhire	120
14 Herefordſhire	176
15 Huntingtonſhire	78
16 Kent	398
17 Lancaſhire	36
18 Leiceſterſhire	200
19 Lincolnſhire	630
20 Middleſex	73
21 Norfolk	660
22 Northampton	320
23 Northumberland	168
24 Nottinghamſhire	168
25 Oxfordſhire	280
26 Richmondſhire	104
27 Rutlandſhire	47
28 Shropſhire	170
29 Somerſetſhire	385
30 Southampton	253
31 Staffordſhire	130
32 Suffolk	575
33 Surrey	140
34 Suſſex	312
35 Warwickſhire	158
36 Weſtmorland	26
37 Wiltſhire	304
38 Worceſterſhire	152
39 Yorkſhire	359
13 WALES	965
1 Angleſey	74
2 Brecknockſhire	61
3 Cardiganſhire	64
4 Carmarthenſhire	87
5 Carnarvonſhire	68
6 Glamorganſhire	118
7 Denbighſhire	57
8 Flintſhire	28
9 Merionethſhire	37
10 Monmouthſhire	127
11 Montgomery	47
12 Pembrokeſhire	145
13 Radnorſhire	52

Rules

Rules of Menſuration.

Fingers breadth is four Barly-corns in thickneſs: and an Inch three Barly-corns in length: A hands breadth four fingers: A ſpan is three hands breadth: A Foot is hands breadth: A Geometrical Pace is five foot: An English Pearch is fifteen foot and half: A furlong is a hundred and twenty five Paces, or ſix hundred twenty and five: An Engliſh Furlong is ſix hundred and threeſcore foot, hundred thirty two paces: A League is a thouſand and hundred paces: An Italian Mile is a thouſand Paces, ight Furlongs: A common German Mile is thirty two longs: An Engliſh Mile is eight Furlongs: An Acre ty Pearches in length, and four in breadth.

ow to judge what Weather will follow, by the riſing and ſetting of the Sun.

The Sun riſing bright and clear, ſignifieth a pleaſant day: If he riſe fiery red, it promiſeth rain: If in his riſing he be thinly overcaſt with a cloud, it betokeneth fair weather: If the Sun drive the Clouds before him into the air, it ſignifieth fair weather: If at his riſing there appear a circle about him, and vaniſheth away equally, it betokeneth fair weather. Alſo if he ſetteth red, it ſignifieth fair weather: If at his ſetting he be of divers colours, or clouds in water, it threatens rain. If at the riſing of the Sun, his beams ſeem red, or long, or encompaſſed with red Clouds, it ſignifieth great winds: If at his riſing there appear a thick miſt, or if it raineth in the evening, it threatneth very foul weather to follow. Alſo if the Sun-beams be ſpotted either with, pale, or black, or gathered to a Cloud, it ſignifieth rain. The Sun ſetting clear without any Cloud, ſignifieth a fair night to enſue. If the circle or circles about the Sun be clear, and of no continuance, look for fair weather: If there be many circles, it ſignifieth winds: the redder they are, the more vehement winds. If the circles are here and there broken, and are thick and black, look for cold wind or ſnow: or if the ſettle behind a great black Cloud, rain follows.

How Weather is foreknown by the Moon.

If the Moon in the third day of her change, or three days before her full, or in the midſt of the quarter, be found of a pure light, nothing compaſſing her, the ends direct up, ſhe promiſeth fair weather: but bent to red colour, provoketh winds. The Moon pale, or ſomewhat black or thick, threatneth rain. When the Moon is five days old, mark the tips of her horns: if they be blunt, it ſignifieth rain; if ſharp-pointed and pricking upwards, great winds. If in the fourth day

after her change, she have a red circle about her, it signifieth winds and rain.

Of the judgment of Weather by the Stars.

If the Stars appear of much light, and seem to be of more bignels and blazing than ordinary, it betokeneth great winds and moisture in that part where they seem so; and in Winter, great Frosts. When dim Stars appear with long fiery tayls, it threatneth winds, and great drought: the more in number, the greater will be the effect. Also when Stars seem to shoot or fall, it signifieth great winds in that place: If they seem to shoot in divers places, it signifieth divers winds: If in all places, winds, thunder, lightning, and most tempestuous weather.

How to judge of the Weather by the Clouds.

Black Clouds flying from the east, signifieth rain at night; if from the west, rain the next day: if they flye low, and appear to settle upon the tops of hills, it is a signe of cold weather; if they be full charged, and appear white like towers, hail is at hand: If white clouds appear in winter, two or three days together at sun-rising, it is a signe of cold and snow; but black clouds signifie rain. A red sky in the evening, and a gray morning, is a signe of a fair day. Mists falling in the morning, in Spring or Harvest, also mists over ponds or waters in the morning, shew rain. If the clouds fly swiftly in the Air, it signifies rain from that part of the heavens, especially from the north or south. If thick white clouds gathered together in many places like flocks, or heaps of wool, appear in many places, it is a signe of rain: but if thick dark clouds towards the north or west neer the earth, presently rain; and if like hills a little above the earth, foul weather is over. If mists descend from the hills, and settle in the valleys, it is a signe of fair hot weather next day; or if white mists arise from the waters in the evening.

How to judge of the Weather by the Rain-bow.

The natural signification of the Rain-bow, is to shew rain either past or to come. The Rain-bow appearing when it is fair, is a signe of foul weather; when it is foul if it appear, it is a signe of fair weather: the greener it appears, the more rain; the redder, the more wind: if before noon, then the rain is spent; if the rain-bow appear about one or two in the afternoon, then rain is neer. A rain-bow in the morning is a signe of wet (unless there be drought in the air): if it appear in the evening, it is a signe of fair weather (unless the air abound with moisture.) A rain-bow at night opposite to the Moon, is a signe of much small rain and wind to follow. A rain-bow after long rain, is a signe of fair weather presently; if two rain-bows appear together, it is a signe of rain within one or two days after.

The

The Assize of Bread plain for all weights.

[illegible]n-[illegible]rs in [illegible]po-[illegible]ons.	By Troy-weight, having twelve ounces in a. pound, and twenty penny weight in each of those 12 ounces.									By Avoir-du-pois, viz. over-weight, having 16 oun. in the l. our common weight.						Country bakers out of Corp.	
[illegible]ce of [illegible]eat.	penny White			Wheaten			houshold			White W		Whea.		housh		Price of Wheat.	
s. d.	li.	un.	d.	li.	un.	d.	li.	un	d.	un.	q.	un.	q.	un.	q.	s.	d.
2 0	1	3	6	1	11	0	2	6	12	17	0	25	1	34	0	2	3
2 3	1	2	2	1	9	2	2	4	4	16	0	23	0	32	0	2	6
2 6	1	1	0	1	7	10	2	2	0	15	0	21	1	30	0	2	9
2 9	1	0	1	1	6	0	2	0	2	13	2	19	3	27	0	3	0
3 0	0	11	5	1	4	18	1	10	10	12	1	18	3	24	2	3	3
3 3	0	10	11	1	3	16	1	9	2	11	2	17	1	23	0	3	6
3 6	0	9	19	1	2	17	1	7	18	11	0	16	1	22	0	3	9
3 9	0	9	8	1	2	1	1	6	16	10	1	15	2	20	2	4	0
4 0	0	8	18	1	1	7	1	5	16	9	3	14	3	19	2	4	3
4 3	0	8	9	1	0	12	1	4	17	9	1	14	0	18	2	4	6
4 6	0	8	1	1	0	0	1	4	2	8	3	13	1	17	2	4	9
4 9	0	7	13	0	11	10	1	3	6	8	1	11	3	16	2	5	0
5 0	0	7	0	0	11	0	1	2	14	8	0	12	0	16	0	5	3
5 3	0	7	1	0	10	10	1	2	1	7	3	11	2	15	2	5	6
5 6	0	6	15	0	10	2	1	1	10	7	2	11	0	15	0	5	9
5 9	0	6	10	0	9	14	1	1	0	7	0	10	2	14	0	6	0
6 0	0	6	5	0	9	6	1	0	10	6	3	10	1	13	2	6	3
6 3	0	6	0	0	9	0	1	0	0	6	2	10	0	13	0	6	6
6 6	0	5	16	0	8	15	1	11	12	6	1	9	2	12	2	6	9
6 9	0	5	12	0	8	9	1	0	0	6	0	9	1	12	1	7	0

The proportion of the pound Avoir-du-pois to the pound Troy, is as 60 to 73; so that 60 pounds Avoir-du-pois are equal to 73 pounds Troy. The proportion of the ounce Troy to the ounce Avoir-du-pois, is as 73 to 80; so that 73 ounces Troy, are equal to 80 ounces Avoir-du-pois. Therefore the pound Avoir-du-pois is greater than the pound Troy: and the ounce Troy is greater than the ounce Avoir-du-pois.

Wheat at 5 shillings the Bushel or Strike, the Town-Bakers penny-white, is (by Troy) 7 ounces, 7 penny weight; by Avoir-du-pois 8 ounces: And the Country-Bakers penny weight (by Troy) 7 ounces 13 penny weight; by Avoir-du-pois 8 ounces and 1 quarter.

A brief Discourse of all kinds of Meteors.

Of Clouds.

A Cloud is a Vapour cold and moist, drawn up by the heat of the Sun into the middle Region of the Air, where being condensed with cold, they are carried about of the wind, and are oftentimes dispersed by the same. Touching their distance from the earth, the common opinion is, that they are never above nine miles in height; others think they never exceed three; and many times they ascend not above half a mile from the earth.

Of Rain.

Rain is nothing else but a cloud, which is a cold vapour raised from the earth and waters into the middle Region of the Air, and with the heat either of the Southern wind, or any other wind of hot temper, doth dissolve into water, and so falleth in drops upon the earth. And here you are to note, that the great distance of the clouds from the earth, and the small heat that dissolves them, causeth small drops, but if it be dissolved with great heat, or else be of small distance from the earth, then are the drops of rain the greater, and more vehement.

Of Snow.

Snow is a cold congelated by great cold before it be perfectly resolved from vapours into water. The reason why Snow lieth longer on the hills, than in the Valleys, is because their tops are cold, as being neerer to the middle Region of the Air; so that many times it snows on the hills, when it rains in the valleys.

Of Hail.

Hail cometh of rain congelated into ice, or it is a hot va-

pour in the middle Region of the Air, and by the cold reof is condenſed into a cloud, which falling down, is ſudden cold of the loweſt Region congealed into hail. e faſhion of hail is round for the moſt part, eſpecially hen it is generated in the middle Region of the Air; being ſquare, or three-corner'd, it is generated neer e earth. The moſt uſual times of the year for hail, are ril and *October*, becauſe then there wants neither hot pours to reſiſt the cold, nor ſufficient cold to harden drops of rain, from whence it proceedeth: Whereas winter there wants hot vapours, and in ſummer the r is too hot to congeal the drops of rain as they fall wn. Moreover, hail is ſooner diſſolved into water than ow; which is, becauſe it is more ſpeedily generated: d yet in the night-time hail ſeldom falls, becauſe there no hot vapours then to be drawn up.

Of Froſt and Dew.

Froſt (and dew, being partly of the ſame matter) is a old and moiſt vapour, drawn up in the day-time by the eat of the Sun into the lower Region of the Air, where, y the coldneſs of the night, it is condenſed into water, and ſtilleth down upon the earth: and if by the means of cold it be congealed, it is called Froſt. Beſides this common Dew, there are other ſorts of ſweet Dews, one kind whereof is called *Manna*, which is white like ſugar, being generated of thick and clammy vapours; and this falleth only in the Eaſtern parts of the world. But as for that *Manna* which God rained to the *Iſraelites*, it was altogether miraculous, *Joſh.* 5. 12. *Exod.* 16. 18.

Of the Rain-bow.

The Rain-bow is cauſed by the beams of the Sun ſtriking upon a hollow, thin, and moiſt cloud, which is always oppoſite unto the Sun, wherein (according to the thinneſs or thickneſs of the cloud) doth appear to the eye ſeveral co-

colours, as of red, yellow, and green; and although the Rain-bow have a natural cause, yet it is appointed by God to be a sighe unto us, that the world shall no more perish by an universal deluge of waters, *Gen.* 9. 14, 15.

Of Thunder.

Thunder is an exhalation hot and dry, which being drawn up into the middle Region of the Air, and there inclosed in the body of a thick cold cloud (so that the hotness of the exhalation cannot agree with the coldness of the place) it suddenly breaketh out, and renteth the cloud asunder; which violent eruption maketh a noise like the renting of a cloud, or the quenching of a hot-iron in cold water, which we call Thunder: yet if the exhalation be small, and the cloud in all places not of equal thickness; then it breaketh out of those places with a kind of huzzing only. But if the exhalation be great in quantity, and very hot and dry in quality, and the clouds also very thick and apt to retain it, that it cannot easily escape out, it doth so vehemently shake the clouds, that it causeth a terrible noise, rumbling like the crack of a great gun, especially when it bursteth the cloud asunder, and hath liberty to pass into the open air; insomuch that the cloud being thus broken and dissolved by the heat of the exhalation, it falleth downwards, and then follows (for the most part) a violent shower of rain.

Of Lightning.

Of Lightnings there be four kinds; the first is called *Fulgetrum*; the second *Coruscatio*; the third *Fulgur*; and the fourth *Fulmen*.

1 *Fulgetrum* is said to be that kind of lightning which is seen summer-evenings after a hot day, which is generated when many thin and hot exhalations are by immoderate heat drawn up a little distance from the earth, where meeting with cold, either of the night in the lowest Region,

on,

or else of the Air in the middle Region, they are beaten back, and by the slow motion thereof, are set on fire. This kind of Lightning is seldom hurtful; yet sometime when it is stricken to the earth, it blasteth corn, and firethatched houses, with other small hurt.

2. *Coruscatio* is an appearance of fire, or lightning; which may happen two manner of ways. First, when clouds that are neer the earth are inflamed, whose reflection appears to our sight like Lightning. Secondly, when clouds ascend one above another, and there is a kind of inflammation in the upper part of these clouds, and the light thereof is perceived through the lower parts as though it lightned; and this is many times without thunder.

3. *Fulgur* is that kind of Lightning that usually followeth thunder; for when the violence of the exhalation beateth against the cloud and breaketh forth, it is set on fire, and casteth a great light a long way off. Now the reason why the Lightning appears before we hear the thunder, is caused by the quickness of our sight, which precedes the motion of the sound unto our hearing.

4. *Fulmen* is that kind of lightning which is most violent and hurtful, which is generated when a hot exhalation is enclosed within the body of a thick cloud, out of which when it bursteth forth it is inflamed, and so driven forcibly upon the earth, by which means it hath often done great mischief; and when this Lightning breaketh forth, it causeth the thunder-crack to be sudden, and very great, like the report of a musket.

Of Earthquakes.

When much wind is gotten into the bowels and concavities of the earth, and afterwards breaketh forth, it causeth the earthquake, or shaking of the earth; and sometimes by the violent eruption of the windy exhalation out of the earth, it casteth up the earth into the Air; and at other times it causeth the land to sink a great

great depth, swallowing up whole Cities and Towns, yea and also great Hills and Mountains, leaving in place thereof, either great holes, or Lakes of water.

Of Comets or Blazing-stars.

A Comet or Blazing-star is an exhalation hot and dry and of a thick, fat, and gross matter, great in quantity, and hard, compact together like a lump of pitch; which being carried in the highest Region of the Air, is by the excessive heat of the place set on fire, and appears like a great star, with a long tayl oftentimes, and so burneth till the substance of it is consumed.

Now for the colour, we usually observe three sorts or differences; namely, white, ruddy, and blew; which ariseth from the matter of which it is compact: For if it be thin, the colour is white and watrish; if of indifferent thickness, it appears ruddy; but when the matter thereof is very thick, it seems blew. In like manner Comets are of three sorts or fashions: For sometimes they are round, having circumambient Rays; and that when the substance of the exhalation is thickest in the middle, and thin about the sides. The second is with a beard or brush tayl streaming downwards; which is when the matter thereof is thick above, and thin below. The third sort is like the second, saving that the tayl extendeth out side-long in length. And here you are to note, that for the time of their lasting, some are of longer continuance than others, according to the quantity of the exhalation: for some last but a week, some 20, 30, 40, or 50 days; but scarce ever any that shine less than seven days, or more than six months, being most commonly generated in Autumn, or end of Harvest.

FINIS.